

27/09/200417:07Print selected from Online session

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal653rbm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

|              |    |        |   |
|--------------|----|--------|---|
| NEWS         | 1  |        | Web Page URLs for STN Seminar Schedule - N. America   |
| NEWS         | 2  |        | "Ask CAS" for self-help around the clock  |
| NEWS         | 3  | Jul 12 | BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS  |
| NEWS         | 4  | Jul 30 | BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting   |
| NEWS         | 5  | AUG 02 | IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields  |
| NEWS         | 6  | AUG 02 | CAplus and CA patent records enhanced with European and Japan Patent Office Classifications   |
| NEWS         | 7  | AUG 02 | The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available   |
| NEWS         | 8  | AUG 04 | Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004                                   |
| NEWS         | 9  | AUG 27 | BIOCOMMERCE: Changes and enhancements to content coverage   |
| NEWS         | 10 | AUG 27 | BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC   |
| NEWS         | 11 | SEP 01 | INPADOC: New family current-awareness alert (SDI) available   |
| NEWS         | 12 | SEP 01 | New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!   |
| NEWS         | 13 | SEP 01 | New display format, HITSTR, available in WPIDS/WPINDEX/WPIX   |
| NEWS         | 14 | SEP 14 | STN Patent Forum to be held October 13, 2004, in Iselin, NJ   |
| NEWS         | 15 | SEP 27 | STANDARDS will no longer be available on STN  |
| NEWS         | 16 | SEP 27 | SWETSCAN will no longer be available on STN   |
| NEWS EXPRESS |    |        | JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004 |
| NEWS HOURS   |    |        | STN Operating Hours Plus Help Desk Availability   |
| NEWS INTER   |    |        | General Internet Information  |
| NEWS LOGIN   |    |        | Welcome Banner and News Items   |
| NEWS PHONE   |    |        | Direct Dial and Telecommunication Network Access to STN   |
| NEWS WWW     |    |        | CAS World Wide Web Site (general information)   |

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

27/09/200417:07Print selected from Online session

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:54:53 ON 27 SEP 2004

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 0.21       | 0.21    |

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, AQUALINE, ANABSTR, ANTE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, ...' ENTERED AT 16:55:18 ON 27 SEP 2004

74 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> (anhydridizing or anhydridized) and ("factor X" or "factor IX" or "factor VII")

15 FILES SEARCHED...

28 FILES SEARCHED...

41 FILES SEARCHED...

55 FILES SEARCHED...

72 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L1 QUE (ANHYDRIDIZING OR ANHYDRIDIZED) AND ("FACTOR X" OR "FACTOR IX" OR "FACTOR VII")

=> (anhydridizing or anhydridized) and serine

39 FILES SEARCHED...

2 FILE USPATFULL

1 FILES HAVE ONE OR MORE ANSWERS, 74 FILES SEARCHED IN STNINDEX

L2 QUE (ANHYDRIDIZING OR ANHYDRIDIZED) AND SERINE

=> file USPATFULL

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 5.13       | 5.34    |

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 17:00:57 ON 27 SEP 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 23 Sep 2004 (20040923/PD)

FILE LAST UPDATED: 23 Sep 2004 (20040923/ED)

HIGHEST GRANTED PATENT NUMBER: US6795973

HIGHEST APPLICATION PUBLICATION NUMBER: US2004187181

CA INDEXING IS CURRENT THROUGH 23 Sep 2004 (20040923/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 23 Sep 2004 (20040923/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2004

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2004

>>> USPAT2 is now available. USPATFULL contains full text of the <<<  
>>> original, i.e., the earliest published granted patents or <<<

```
>>> applications.  USPAT2 contains full text of the latest US      <<<
>>> publications, starting in 2001, for the inventions covered in  <<<
>>> USPATFULL.  A USPATFULL record contains not only the original  <<<
>>> published document but also a list of any subsequent           <<<
>>> publications.  The publication number, patent kind code, and   <<<
>>> publication date for all the US publications for an invention  <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc.                                                       <<<

>>> USPATFULL and USPAT2 can be accessed and searched together    <<<
>>> through the new cluster USPATALL.  Type FILE USPATALL to      <<<
>>> enter this cluster.                                           <<<
>>>                                                                    <<<
>>> Use USPATALL when searching terms such as patent assignees,   <<<
>>> classifications, or claims, that may potentially change from  <<<
>>> the earliest to the latest publication.                        <<<
```

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> (anhydridizing or anhydridized) and serine
      4 ANHYDRIDIZING
      5 ANHYDRIDIZED
46840 SERINE
1671 SERINES
47321 SERINE
      (SERINE OR SERINES)
L3      2 (ANHYDRIDIZING OR ANHYDRIDIZED) AND SERINE
```

=> d ab bib 1-2

```
L3  ANSWER 1 OF 2  USPATFULL on STN
AB   A thrombin derivative having a lowered fibrinogen activity, a process
      for producing thereof, an anhydrothrombin derivative having a lowered
      fibrinogen activity, and a process for producing thereof are provided.
      This invention is to provide a thrombin derivative formed by modifying
      carboxyl group(s) of the thrombin and an anhydrothrombin derivative
      formed by modifying carboxyl group(s) of the anhydrothrombin. The
      thrombin derivative can be utilized as a composition for inducing
      platelet aggregation and further as a reagent of specific aggregation
      for clinical testing and the like. By the affinity chromatography having
      carboxyl group(s) bound with anhydrothrombin as a ligand, it is made
      possible to carry out necessary purification with high selectivity
      relative to the blood coagulation factor VIII. Further, the
      anhydrothrombin derivative which results from modifying carboxyl
      group(s) of anhydrothrombin produces sufficient antithrombogenic effects
      at a smaller amount as compared with the previous anhydrothrombin and,
      therefore, can be utilized as an agent for inhibiting the
      thrombogenesis.
AN   2004:126974  USPATFULL
TI   Thrombin derivatives and process for producing the same, anhydrothrombin
      derivatives and process for producing the same, platelet
      agglutination-inducing composition, method of inducing platelet
      agglutination, clinical test reagents, clinical test method, thrombosis
      inhibitors, adsorbent and process for producing the same,
IN   Hosokawa, Kazuya, Kanagawa, JAPAN
PI   US 2004096953      A1      20040520
AI   US 2003-472237      A1      20031121 (10)
```

WO 2002-JP2594                      20020319  
PRAI    JP 2001-79469                  20010319  
DT       Utility  
FS       APPLICATION  
LREP    WENDEROTH, LIND & PONACK, L.L.P., 2033 K STREET N. W., SUITE 800,  
         WASHINGTON, DC, 20006-1021  
CLMN    Number of Claims: 32  
ECL     Exemplary Claim: 1  
DRWN    6 Drawing Page(s)  
LN.CNT 920  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3    ANSWER 2 OF 2    USPATFULL on STN

AB     A method for a synthesis of anhydrothrombin is provided which features a short process, an easy procedure, and high yields.

The method comprises

(A) a step of causing an active **serine** residue site of thrombin to react with an inhibitor,

(B) a step of performing an alkali treatment at a pH of not less than 11, and

(C) a step of performing an operation of recovery, and carries out these steps sequentially in the order mentioned, and is characterized by causing at least the step of performing the operation of recovery to proceed in the presence of at least one compound selected from the group consisting of polyhydric alcohols and saccharides, and a salt or an amphoteric electrolyte.

AN    1999:96255    USPATFULL  
TI    Method for synthesis of anhydrothrombin  
IN    Suzuki, Toyooki, Tokyo, Japan  
      Hosokawa, Kazuya, Kawasaki, Japan  
      Nagata, Masanori, Tokyo, Japan  
PA    Fujimori Kogyo Co., Ltd., Tokyo, Japan (non-U.S. corporation)  
PI    US 5939304                      19990817  
AI    US 1998-88244                      19980601 (9)  
PRAI   JP 1997-148116                  19970605  
      JP 1998-120859                  19980430  
DT    Utility  
FS    Granted  
EXNAM   Primary Examiner: Witz, Jean C.  
LREP   Woodbridge & Associates  
CLMN   Number of Claims: 5  
ECL    Exemplary Claim: 1  
DRWN   1 Drawing Figure(s); 1 Drawing Page(s)  
LN.CNT 1006  
CAS INDEXING IS AVAILABLE FOR THIS PATE

| L Number | Hits  | Search Text  | DB                 | Time stamp       |
|----------|-------|--|--------------------|------------------|
| 1        | 21    | anhydriized  | USPAT;<br>US-PGPUB | 2004/09/27 16:38 |
| 2        | 0     | anhydriized and ("factor IX" or "factor X" or "factor VII")  | USPAT;<br>US-PGPUB | 2004/09/27 16:44 |
| 3        | 3     | anhydriized and serine   | USPAT;<br>US-PGPUB | 2004/09/27 16:44 |
| 4        | 1     | anhydridizing and serine   | USPAT;<br>US-PGPUB | 2004/09/27 16:44 |
| 5        | 0     | anhydridizing and ("factor IX" or "factor X" or "factor VII")  | USPAT;<br>US-PGPUB | 2004/09/27 16:45 |
| -        | 1168  | ((modified or mutated)and serine\$)and "factor X"  | USPAT;<br>US-PGPUB | 2004/05/04 16:10 |
| -        | 0     | ((modified or mutated)adj serine\$)same "factor X"   | USPAT;<br>US-PGPUB | 2004/05/04 16:11 |
| -        | 0     | ((modified or mutated)adj serine)same "factor X"   | USPAT;<br>US-PGPUB | 2004/05/04 16:11 |
| -        | 4     | ((modified or mutated)adj serine)and "factor X"  | USPAT;<br>US-PGPUB | 2004/05/04 16:12 |
| -        | 40    | ((modified or mutated)adj10 serine)and "factor X"  | USPAT;<br>US-PGPUB | 2004/05/04 16:24 |
| -        | 0     | PMSF and serine and "modified factor X"  | USPAT;<br>US-PGPUB | 2004/05/04 16:24 |
| -        | 2     | PMSF and mutated adj serine and "factor X"   | USPAT;<br>US-PGPUB | 2004/05/04 16:26 |
| -        | 21    | PMSF and serine same "factor X"  | USPAT;<br>US-PGPUB | 2004/05/04 16:33 |
| -        | 34    | PMSF and serine same "factor IX"   | USPAT;<br>US-PGPUB | 2004/05/04 16:35 |
| -        | 0     | mutated same serine same "factor IX"   | USPAT;<br>US-PGPUB | 2004/05/04 16:35 |
| -        | 11    | modified same serine same "factor IX"  | USPAT;<br>US-PGPUB | 2004/05/04 16:50 |
| -        | 0     | modified same serine same "factor IX"  | DERWENT            | 2004/05/04 16:50 |
| -        | 0     | modified same serine and "factor IX"   | DERWENT            | 2004/05/04 16:50 |
| -        | 3483  | "Factor IX"  | USPAT;<br>US-PGPUB | 2004/05/05 09:12 |
| -        | 35419 | (modified or mutated )and serine   | USPAT;<br>US-PGPUB | 2004/05/05 09:14 |
| -        | 1     | US-5120537-A.DID. and 5120537.PN.  | USPAT;<br>US-PGPUB | 2004/05/05 09:14 |
| -        | 41742 | (modified or mutated or deleted or substituted )and serine   | USPAT;<br>US-PGPUB | 2004/05/05 09:15 |
| -        | 1410  | "Factor IX" and ((modified or mutated )and serine)   | USPAT;<br>US-PGPUB | 2004/05/05 09:15 |
| -        | 0     | (Serine adj5 (deleted or substituted or added)) same "factor IX"   | USPAT;<br>US-PGPUB | 2004/05/05 09:17 |
| -        | 49    | (Serine adj5 (deleted or substituted or added)) and "factor IX"  | USPAT;<br>US-PGPUB | 2004/05/05 10:18 |
| -        | 194   | PMSF and serine and "factor X"   | USPAT;<br>US-PGPUB | 2004/05/05 12:49 |
| -        | 16    | PMSF same serine and "factor X"  | USPAT;<br>US-PGPUB | 2004/05/05 12:50 |
| -        | 224   | PMSF and (serine (modification or mutation or substitution)) and "factor X"  | USPAT;<br>US-PGPUB | 2004/05/05 12:52 |
| -        | 36    | PMSF same (serine (modification or mutation or substitution)) and "factor X"   | USPAT;<br>US-PGPUB | 2004/05/05 12:53 |
| -        | 0     | PMSF same (serine and (modification or mutation or substitution)) and "factor X"   | USPAT;<br>US-PGPUB | 2004/05/05 12:53 |
| -        | 193   | PMSF and (serine and (modification or mutation or substitution)) and "factor X"  | USPAT;<br>US-PGPUB | 2004/05/05 12:53 |
| -        | 92    | PMSF and (serine same (modification or mutation or substitution)) and "factor X"   | USPAT;<br>US-PGPUB | 2004/05/05 12:53 |
| -        | 23    | PMSF and (serine adj5 (modification or mutation or substitution)) and "factor X"   | USPAT;<br>US-PGPUB | 2004/05/05 12:55 |
| -        | 44    | PMSF and (serine adj10 (modification or mutation or substitution)) and ("blood coagulating factor" or "Factor X" or "factor IX" or "Factor VII") | USPAT;<br>US-PGPUB | 2004/05/05 12:57 |